

10776470 - GAU:

PTO/SB/08A (07-05)

1621

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 8

**Complete if Known**

Application Number	10/776,470; Confirmation 3576
Filing Date	2/11/2004
First Named Inventor	McBride
Art Unit	<del>1046</del>
Examiner Name	
Attorney Docket Number	329532

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
/ML/	1	US-5,274,076	12/12/1993	Barbet et al	
	2	US- 6,096,289	8/2000	Goldenberg	
	3	US- 5,683,694	11/4/1997	Bagshawe et al.	
	4	US- 5,693,762	12-02-1997	Queen et al.	
	5	US- 5,837,242	11-17-1998	Holliger et al.	
	6	US- 6,121,424	9-19-2000	Whitlow et al.	
	7	US- 2002/0006379	1-17-2002	Hansen et al.	
	8	US- 6,126,916	10/3/2000	McBride	
	9	US- 6,077,499	6/20/2000	Griffiths	
	10	US- 6,010,680	1/4/2000	Govindan et al.	
	11	US- 5,959,083	9/28/1999	Bosslet et al.	
	12	US- 5,776,095	7/7/1998	Goldenberg	
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	16	US- 5,753,206	5/19/1998	McBride et al.	
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	18	US- 5,697,902	12/16/1997	Goldenberg	
	19	US- 5,591,828	7/1/1997	Bosslet et al.	
/ML/	20	US- 5,328,679	7/12/1994	Hansen et al.	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
/ML/	21	WO 99/66951 A2	12/29/1999	Hansen		
	22	WO 00/34317	6/15/2000	Carr		
	23	WO 9808875	3/5/1998	Bohlen		
	24	WO 9604313	2/15/1996	Goldenberg		
	25	EP 0623675	9/11/1994	Ahrweiler		
	26	IE 921782	12/16/1992	Bosslet		
	27	EP 0511011A	10/28/1992	Randle		
	28	EP 0419387	11/20/1996	Barbet		
/ML/	29	EP 0517024 A2	12/9/1992	Bosslet		

Examiner  
Signature

/Marialouisa Lao/

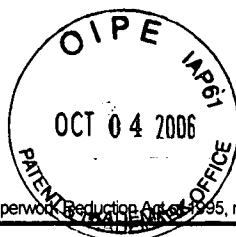
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Sheet 2 of 8

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Application Number	10/776,470; Confirmation 3576
Filing Date	2/11/2004
First Named Inventor	McBride
Art Unit	1616
Examiner Name	
Attorney Docket Number	329532

**NON PATENT LITERATURE DOCUMENTS**

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/ML/	30	BOISFERON, Hillairet de et al., "Enhanced Targeting Specificity to Tumor Cells by Simultaneous Recognition of Two Antigens" Bioconjugate Chem. 2000 11, 252-460	
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	36	GAUTHEROT et al., "Delivery of Therapeutic doses of Radioiodine using Bispecific antibody-targeted bivalent Haptens," Journal of Nuclear Medicine, Vol. 39 (11), pp 1937-43 (Nov. 1998)	
	37	BODERE et al. "Phase I/II trial of two-step radioimmunotherapy in medullary thyroid cancer (MTC) using bispecific anti-CEA/anti-DTPA-in antibody and iodine-131-labeled bivalent hapten," Journal of Nuclear Medicine, Vol. 39, No. 5 Suppl., p 246 (May 1998)	
	38	BARDIES et al. "Bispecific antibody and iodine-131-labeled bivalent hapten dosimetry in patients with medullary thyroid or small-cell lung cancer," Journal of Nuclear Medicine, Vol. 37, pp 1853-1859 (Nov. 1996)	
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Examiner Signature	/Marielouisa Lao/	Date Considered	10/26/2007
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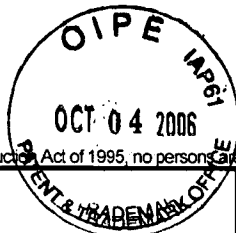
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 3 of 8

**Complete if Known**

Application Number	10/776,470; confirmation 3576
Filing Date	2/11/2004
First Named Inventor	McBride
Art Unit	1616
Examiner Name	
Attorney Docket Number	329532

**U.S. PATENT DOCUMENTS**

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		Number - Kind Code <sup>2</sup> (if known)			
/ML/	41	US-5,274,076	12/28/1993	Barbet et al.	
	42	US- 5,128,119	7/7/1992	Griffiths	
	43	US- 5,101,827	4/7/1992	Goldenberg	
	44	US- 4,735,210	4/5/1988	Goldenberg	
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	48	US- 4,971,792	11/20/1990	Steplewski et al.	
	49	US- 5,078,998	1/7/1992	Bevan et al.	
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	51	US- 5,25,541	7/6/1993	Hackett et al.	
	52	US- 5,469,854	11/28/1995	Unger et al.	
	53	US- 5,716,595	2/10/1998	Goldenberg	
	54	US- 5,837,243	11/17/1998	Deo et al.	
	55	US- 5,851,527	12-22-1998	Hansen	
	56	US- 4,863,713	9-5-1989	Goodwin et al.	
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	59	US- 6,187,284	2-13-2001	Griffiths	
/ML/	60	US- 5,503,987	4-2-1996	Wagner	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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/ML/	61	EP 0263046	4/6/1988	Barbet		

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/Marialouisa Lao/

Date  
Considered

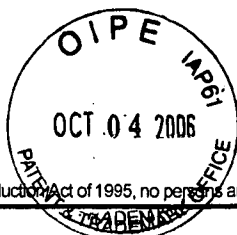
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 4 of 8

## **Complete if Known**

Application Number	10/776,470; Confirmation 3576
Filing Date	2/11/2004
First Named Inventor	McBride
Art Unit	1616
Examiner Name	
Attorney Docket Number	329532

## **NON PATENT LITERATURE DOCUMENTS**

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/ML/	62	KRANENBORG et al., "Development and characterization of anti-renal cell carcinoma x antichelate bispecific monoclonal antibodies for two-phase targeting of renal cell carcinoma," Cancer Research, Vol. 55 (23 Wuppl.), pp 5864S-5867S (Dec. 1, 1995)	
	63	KRANENBORG et al., "Two-Step radio-immunotargeting of renal-cell carcinoma xenografts in nude mice with anti-renal-cell-carcinoma X anti-DTPA bispecific monoclonal antibodies," International Journal of Cancer, Vol. 75 (1), pp 74-80 (Jan. 5, 1998)	
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	71	KIPRIYANOV et al., "Bispecific tandem diabody for tumor therapy with improved antigen binding and pharmacokinetics," J. Mol. Biol., 293(1):41-56 (1999).	
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Application Number	10/776,470; Confirmation 3576
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<i>First Named Inventor</i>	McBride
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Art Unit	1616
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*Examiner Name*

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## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Signature**

/Marialouisa Lao/

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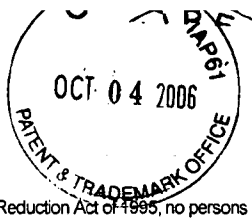
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/ML/	77	GOODWIN, et al., "Pre-Targeted Immunoscintigraphy of Murine Tumors with Indium-111-Labeled Bifunctional Haptens," J. Nucl. Med., Vol. 29, pp 226-234, 1998	
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Examiner Signature	/Marialouisa Lao/	Date Considered	10/26/2007
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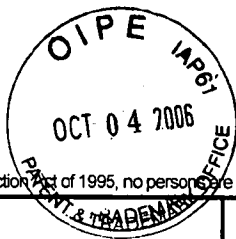
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 7 of 8

## **Complete if Known**

Application Number	10/776,470; Confirmation 3576
Filing Date	2/11/2004
First Named Inventor	McBride
Art Unit	1616
Examiner Name	
Attorney Docket Number	329532

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/ML/	88	GAUTHEROT, et al., "Radioimmunotherapy of LS174T Colon carcinoma in Nude Mice Using an Iodine-131-Labeled Bivalent Hapten Combined with an Anti-CEA X Anti-indium-DTPA Bispecific Antibody," J. Nucl. Med., Vol. 38, p. 7, 1997	
	89	GREENWOOD, F. C., et al., "The Preparation of 131I-Labelled Human Growth Hormone of High Specific Radioactivity," The Biochemical Journal, Vol. 89, pp. 114-123; 1963	
	90	KANEKO, T., "New Hydrazone Derivative of Adriamycin and Their Immunoconjugates--a Correlation between Acid Stability and Cytotoxicity," J. Bioconjugate Chem., Vol. 2, No. 3, pp. 133-141, 1991	
	91	KARACAY, ET AL., "Experimental Pretargeting Studies of Cancer with a Humanized anti-CEA x Murine anti-[In-DTPA] Bispecific Antidoy Construct and a 99mTc-188 Re-Labeled Peptide," Bioconjugate Chem., Vol. 11, pp. 842-854, 2000	
	92	LOSMAN, M. J., et al., "Generation and Monitoring of Cell Lines Producing Humanized Antibodies," Clin. Cancer Research, Vol. 5, (10 Suppl.) pp. 3101s-3105s, 1999	
	93	PENEFSKY, Harvey S., "A Centrifuged-Column Procedure for the Measurement of Ligand Binding by Beef Heart F," Methods in Enzymology, Part G, Vol. 56, pp. 527-530, 1979	
	94	WANG, SHING-MING, et al., "Specific Activation of Glucuronide Prodrugs by Antibody-targeted Enzyme Conjugates for Cancer Therapy," Cancer Res., Vol. 52, pp. 4484-4491, 1992	
	95	DE JONGE, JAN, et al., "Production and Characterization of Bispecific Single-Chain Antibody Fragments," Molecular Immunology, Vol. 32, No. 17/18, pp. 1405-1412, 1995	
	96	BODEN, V., et al., "Preliminary Study of the Metal Binding Site of an Anti-DTPA-Indium Antibody by Equilibrium Binding Immunoassays and Immobilized Metal Ion Affinity Chromatography," Bioconjugate Chem., Vol. 6, pp. 373-379, 1995	
	97	GOLD et al., Cancer Research, 50 6405-6409, 1990	
/ML/	98	VAN SPRIEL, et al., "Immunotherapeutic Perspective for Bispecific antibodies" Immunology Today, 21, 391-396, 2000	

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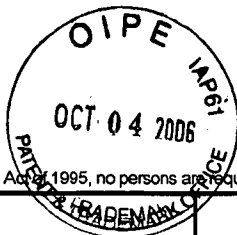
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/ML/	99	KONTERMANN, Roland E., "Intracellular and Cell Surface Displayed single-chain Diabodies" Journal of Immunological Methods 226 (1999) 179-188	
/ML/	100	DUBEL, S., "Reconstitution of human pancreatic RNase from two separate fragments fused to different single chain antibody fragments: on the way to binary immunotoxins" Tumor Targeting (1999) 4, 37-46 XP009010728	
/ML/	101	HAYDEN, M. "Single-chain mono- and bispecific antibody derivatives with novel biological properties and antitumour activity from a COS cell transient expression system" Therapeutic Immunology, 1994, 1, 3-15	
/ML/	102	YANG "A Genetically Engineered Single-Chain FV/TNF Molecule Possesses the Anti-Tumor Immunoreactivity of FV as well as the Cytotoxic Activity of Tumor Necrosis Factor" Molecular Immunology Vol. 32, No. 12, pp. 873-881, 1995 XP 000653177	
/ML/	103	KARACAY, H., et al., "Pretargeting Studies with a Murine Anti-Colon-Specific Antigen-P (CSAp) X Chimeric Anti-[Indium-DTPA] Bispecific Antibody and Technetium-99m-Labeled Peptide" Cancer Biotherapy and Radiopharmaceuticals, Vol. 15, No. 4, 2000, page 412, XP008065412	
/ML/	104	KARACAY, H., et al., "Experimental Preatargeting Studies of Cancer with a Humanized anti-CEA Murine anti-[In-DTPA] Bispecific Antibody Construct and a 99mTc-/188Re-Labeled Peptide" Bioconjugate Chem. 2000, 11, 842-854	

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